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Remarks

Claims 9 and 12 to 15 are canceled.

New claims 20 and 21 are added. Accordingly claims 1-3, 10, 11, 16-21 are pending in the application.

Status of Claims

Claims 1-3, 5-10, 12-14, 16-18 have been rejected under 35 USC(103(a) for obviousness over US 6,047,327 ("Tso") in view of US 6,304,913 ("Rune").

Claims 4, 11, 15, 19 have been rejected under 35 USC 103(a) for obviousness over Tso in view of US 6,304,913 ("Rune") in view of US 5,903,735 ("Kidder").

Claim 1

Tso in view of Rune does not teach or suggest all of the features of claim 1. In particular neither Tso nor Rune teaches a modified reply message having the mobile node's care-of-address "in place of the mobile node's home address".

More specifically, in his numbered paragraph 5, the Examiner fails to show that this feature is disclosed by any of the cited art.

The present invention according to amended claim 1 including this feature has significant practical advantages over a known technique of tunneling packets by encapsulating an IP packet as payload within a new longer IP packet including new headers. This known technique of tunneling is described on page 1, line 28 to page 4, line 4 of the present application, and has the disadvantage that the flow identifications in the original packet necessary for QoS provision become hidden. (See page 11, line 20 to page 12, line 5 of the present application.)

In contrast to that, in the present invention, simply having the mobile node's care-of address in place of the mobile node's home address enables flow identification information to be tracked, as taught in applicants' specification at page 12, lines 6 to 13. Thus, for example, correct handling of RSVP protocol is enabled to provide quality of service. (See, for example, page 19 lines 22 to page 20, line 2 of the present application.)

Turning to the cited art in more detail, Tso relates to transmission of InfoBite packets that apparently lack mobile home address and mobile node care-of-address fields.

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(See Tso, column 8, TABLE 1.) As explained in Tso at column 16, lines 24 to 43, when a mobile terminal roams it sends a request for a configuration message to update the database accessible by InfoBite that is used for mapping cell ID to a physical location and a physical location to a domain, such that its new domain is known. (See also Tso, column 18, lines 26 to 50.) InfoBite messages are then sent to mobile terminals as SMS broadcasts. (See Tso, column 12 lines 26 to 34.) The existence or structure of "a modified reply message" is not disclosed in Tso.

The Examiner accepts that a modified reply message of an Internet Protocol packet is not taught by Tso, and so the Examiner looks to the teaching of Rune, to provide this element, and in particular, the teaching therein of a reply message to an Internet Protocol packet. However Rune does not provide a modified reply message having the mobile node's care-of address in place of the mobile node's home address, as explicitly required by claim 1. Thus, since this feature is provided by neither Rune nor Tso, applicants' claim 1 is allowable over the combination of Rune and Tso.

**Claims 2 to 11**

Claim 9 is canceled.

Claims 2 to 8, 10 to 11 are patentable at least on the basis that they each depend on an allowable amended independent claim 1.

**Claim 12**

Claim 12 is canceled.

**Claims 13 to 15**

Claims 13 to 15 are canceled.

**Claim 16**

Claim 16 is similar to claim 1, requiring a proxy device... for "generating a modified reply message of an Internet Protocol packet having a source address of the

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mobile node's care-of address in place of the mobile node's home address". Thus, claim 16 is allowable for at least the same reasons as is claim 1, as set forth hereinabove.

**Claims 17 to 19**

Claims 17 to 19 are patentable at least on the basis that they each depend on allowable independent claim 16.

**Claim 20**

New claim 20 is added corresponding in scope to previous claim 12 but dependent upon claim 16. Claim 20 is patentable not least on the basis that it depends on independent allowable claim 16.

**Claim 21**

New claim 21 is a combination of claim 1 and former claim 9. Thus, the above comments in respect of claim 1 apply. Furthermore, Tso, in particular at col. 4, line 65 to col. 5, line 53, does not teach or suggest replacing, in a reply message, the source address of a mobile node's home address with the mobile node's care-of address thereby generating the modified reply message.

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Conclusion

It is respectfully submitted that the Office Action's rejections have been overcome and that this application is now in condition for allowance. Reconsideration and allowance are, therefore, respectfully solicited.

If, however, the Examiner still believes that there are unresolved issues, he is invited to call applicant's attorney so that arrangements may be made to discuss and resolve any such issues.

In the event that an extension of time is required for this amendment to be considered timely, and a petition therefor does not otherwise accompany this amendment, any necessary extension of time is hereby petitioned for, and the Commissioner is authorized to charge the appropriate cost of such petition to the Lucent Technologies Deposit Account No. 12-2325.

Respectfully,

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